

DC Power Supply

Triple-Output Programmable DC Power Supply TPT-TF Series

Product description:

TPT-TF Series is high-performance 3-channel programmable power supplies 3 independent outputs. Covering voltage ranges from 0~30V to 0~60V and current ranges from 0~3A to 0~6A, it's balance high precision and flexibility. Standout advantage is their high resolution and low ripple with load regulation $\leq 0.01\%+3\text{mV}$ ensuring precise output. Supporting series, parallel and synchronous modes, CH1&CH2 can combined to expand power. Rich a function with offer 40 groups of parameter storage and recall, as well as a timed output function to enhance efficiency. A VFD display shows real-time 3-channel data for intuitive operation. Standard RS232/USB communication, compatible with multiple protocols, facilitates system integration. An intelligent fan adjusts speed based on load, it suitable for industrial testing, laboratory R&D.



TPT-TF Series
(Front & Rear panels)

Features

- ◆ Output specifications: CH3 outputs 0~6V, 0~3A; 30V, 3A * 2CH / 30V, 6A * 2CH / 60V, 3A * 2CH
- ◆ Simultaneous display of voltage and current for all three channels
- ◆ All three channels of voltage are continuously adjustable within their rated ranges
- ◆ Each channel has an independent output switch for easy control
- ◆ Supports series, parallel, and synchronous modes; CH1 and CH2 can be combined to expand power

Specifications

Model		TPT-3003TF		TPT-3006TF		TPT-6003TF	
Rated Output Voltage		CH1: 0 ~ 30V, CH2: 0 ~ 30V, CH3: 0 ~ 6V		CH1: 0 ~ 30V, CH2: 0 ~ 30V, CH3: 0 ~ 6V		CH1: 0 ~ 60V, CH2: 0 ~ 60V, CH3: 0 ~ 6V	
Rated Output Current		0 ~ 3A*3CH		0 ~ 6A*2CH, 0 ~ 3A*1CH		0 ~ 3A*3CH	
Rated Output Power		90W/90W/18W		180W/180W/18W		180W/180W/18W	
Load Regulation (% of Output+Offset)	Voltage	≤ 0.01%+3mV					
	Current	≤ 0.01%+3mA					
Power Regulation (% of Output+Offset)	Voltage	≤ 0.01%+3mV					
	Current	≤ 0.01%+3mA					
Setting Value Resolution	Voltage	10mV					
	Current	1mA					
Setting Accuracy (25°C ± 5°C)	Volatge	≤ 0.03%+10mV					
	Current	≤ 0.1%+5mA		≤ 0.1%+8mA		≤ 0.1%+5mA	
Readback Resolution	Voltage	10mV					
	Current	1mA					
Readback Accuracy (25°C ± 5°C)	Volatge	≤ 0.03%+10mV					
	Current	≤ 0.1%+5mA		≤ 0.1%+8mA		≤ 0.1%+5mA	
Ripple and Noise (20Hz ~ 20MHz)	Voltage	≤2mVrms					
	Current	≤5mA _{rms}					
Series/Parallel Setpoint Accuracy	Voltage	≤ 0.02%+5mV		≤ 0.02%+10mV		≤ 0.02%+5mV	
	Current	≤ 0.1%+30mA					
Memory	Save/Recall	40 groups					
	Function	Turn off output regularty					
Timer	Function	Output timer					
	Time Setting	0.1s ~ 3600s					
	Resolution	0.1s					
Interface		RS-232, USB					
Operating environment		0°C ~ 40°C <80%RH					
Storage environment		-10°C ~ 70°C, <70%RH					
Power Input		AC 220V±10%, 50/60Hz					
Dimension (WxLxD)		255 x 110 x 380 mm.					
Weight		8.5 kg.		8.5 kg.		8.5 kg.	

Ordering Informations

TPT-3003TF : Triple-output DC Power Supply 30V/3A*2CH, 6V/3A*1CH
 TPT-3006TF : Triple-output DC Power Supply 30V/6A*2CH, 6V/3A*1CH
 TPT-6003TF : Triple-output DC Power Supply 60V/3A*2CH, 6V/3A*1CH

Standard Accessories :

- User Manual
- RS-232 cable
- Test Leads
- Power cord